

ABSTRACT

An RMS-to-DC converter system is disclosed. The system includes a variable gain amplifier having transfer function ripple that receives an input signal and provides an amplifier output signal, a detector that receives the amplifier output signal and provides a detector output signal, an error amplifier that receives the detector output signal and provides an error amplifier output signal having an AC component, and a feedback circuit coupled to the error amplifier output signal and to the variable gain amplifier for providing a feedback signal to the variable gain amplifier that includes an AC component for reducing transfer function ripple of the RMS-to-DC converter system.

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